

The product provides the following key features:

- Designed as a high efficiency fuel cell converter to achieve overall system electrical and operation efficiency
- Convert efficiency over 92% to achieve less requirements of hydrogen but more power output
- Designed to meet UL 60950-1 and European Conformity (CE) EN 62282-3-100 and EMC directive (EN 61000-6-2 & EN 61000-6-4)



Product Specification / Model No.		CP-1003-48	CP-2504-48	CP-3004-24 / CP-3004-48	CP-5000-48	CP-10000-36 / CP-10000-48
Output	DC Voltage	52V (Set Point)	52V (Set Point)	24V / 52V (Set Point)	52V (Set Point)	43V / 52V (Set Point)
	DC Voltage Range	46~56V	46~56V	24~28V / 46~56V	42~56V	36~44V / 46~56V
	Rated Current	22A	48A	120A / 58A	100A	233A / 193A
	Current Range	0~27A	0~57A	0~144A / 0~70A	0~120A	0~278A / 0~228A
	Rated Power	1.1kW	2.5kW	3kW	5kW	10kW
Input	Voltage Precision	±1%	±1%	±1%	±1%	±1%
	Voltage Range	14~44Vdc	15~27Vdc	30~80Vdc / 40~85Vdc	30~80Vdc	65~130Vdc
	Efficiency (Typ.)	90%	90%	90%	93%	94%
	Current (Typ.)	70A	160A	70A	135A	140A
	Current (Max.)	75A	180A	75A	150A	160A
Auxiliary Power	DC Voltage	24V	24V	24V	-	-
	Rated Power	300W	400W	400W	-	-
Protection	Over Current Protection	27A (@52V)	60A (@52V)	144A (@24V) / 70A (@48V)	120A (@48V)	330A (@36V) / 274A (@48V)
	Over Voltage Protection	58V	58V	28V / 58V	58V	46V / 58V
	Input Low Voltage Limiter	14V	15V	30V / 40V	30V	65V
Communication	Physical Interface	RS-485/CAN Bus	RS-485/CAN Bus	RS-485/CAN Bus	RS-485/CAN Bus	RS-485/CAN Bus
	Protocol	M-Field Mod Bus	M-Field Mod Bus	M-Field Mod Bus	M-Field Mod Bus	M-Field Mod Bus
	Alarm Message	Available	Available	Available	Available	Available
	DC Voltage Adjustment	Available	Available	Available	Available	Available
Environment	Operating Temp	-20~60°C	-20~60°C	-20~60°C	-20~60°C	-20~60°C
	Relative Humidity	10~95%	10~95%	10~95%	10~95%	10~95%
	Storage Temp	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C
	Protection Level	IP 20	IP 20	IP 20	IP 20	IP 20
Construction	Weight	6kg	8kg	10kg / 13kg	12kg	15kg
	Dimension	L45.1 x W42.3 x H8.6 cm (17.7 x 16.6 x 3.3 in.)	L45.1 x W42.3 x H8.6 cm (17.7 x 16.6 x 3.3 in.)	L45.1 x W42.3 x H8.6 cm (17.7 x 16.6 x 3.3 in.)	L45.1 x W42.3 x H8.6 cm (17.7 x 16.6 x 3.3 in.)	L45.1 x W42.3 x H8.6 cm (17.7 x 16.6 x 3.3 in.)
	Mounting	Standard 19" Rack, 2U	Standard 19" Rack, 2U	Standard 19" Rack, 2U	Standard 19" Rack, 2U	Standard 19" Rack, 2U

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